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Sut	stitute for form 1449A/B/PT	0		Complete if Known		
				Application Number	09/816,004	
11	NFORMATION	I DI	SCLOSURE	Filing Date	March 22, 2001	
l s	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Masakazu Suzuoki	
				Art Unit	2152	
	(Use as many sh	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	SCEI 3.0-054	

		<del></del>	U.S. PA	TENT DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	No.1	Number-Kind Code <sup>2</sup> (#known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
1M	AA	US-5,850,534	12-15-1998	Uwe Kranich	
	AB	US-5,729,712	03-17-1998	Bruce Whittaker	
	AC	US-4,782,443	11-01-1988	Matsumoto	
	AD	US-5,355,481	10-11-1994	Sluijter	
i	AE	US-5,724,551	03-03-1998	Greenstein, et al.	
	AF	US-5,787,309	07-28-1998	Greenstein, et al.	
	AG	US-6,336,187-B1	01-01-2002	Kern, et al.	
	AH	US-2002/0078285-A1	06-20-2002	Hofstee, et al.	
	Al	US-6,477,170-B1	11-05-2002	Lu, et al.	
	AJ	US-5,892,966	04-06-1999	Petrick, et al.	
	AK	US-6,289,434-B1	09-11-2001	Rupan Roy	
	AL	US-2002/0078308-A1	06-20-2002	Altman, et al.	
	AM	US-5,619,671	04-08-1997	Bryant et al	
	AN	US-5,900,019	05-04-1999	Greenstein et al.	
	AO	US-6,212,605	04-03-2001	Arimilli et al.	
1	AP	US-20002/0087815	07-04-2002	Arimilli et al.	

			FORE	GN PATENT	DOCUMENTS		
Examiner Initials*		Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>4</sup> (# known)	Publication Date MIM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>©</sup>
		ВА	EP-0 461 926-A2	12-18-1991	Compaq Computer Corporation		
		BB	JP-09-311839	12-02-1997	Hitachi Ltd.		ċ
		ВС	JP-06-012333	01-21-1994	Hitachi Ltd.; Hitachi Computer Engineering Corp. Ltd.		•
		BD	JP-01-217689	08-31-1989	Toshiba Corp.		•
П		BE	JP-54-012643	01-30-1979	Hitachi Ltd.		•
		BF	JP-57-006952	01-13-1982	Nippon Telegram & Telephone Corp.		•
		BG	JP-57-176456	10-29-1982			•EC
		BH .	JP-64-012364	01-17-1989	Nippon Telegram & Telephone Corp.		•
		ВІ	JP-04-288643	10-13-1992			•
		BJ	JP-09-198361	07-31-1997	Kofu Nippon Denki KK		•
		BK	JP-11-338833	12-10-1999	Hitachi Ltd.		<b>  •</b>
		BL	JP-11-232247	08-27-1999	Hitachi Ltd.		•
		BM	JP-2000-222384	08-11-2000	Yamatake Corp		•
		BN	JP-10-126771	05-15-1998	Toshiba Corp.		•
		ВО	JP-2000-057329	02-25-2000	IBM Corp.		•
		ΒP	JP-02-210542	08-21-1990	Fujitsu Limited		•
		BQ	JP-11-039215	02-12-1999	Matsushita Electric Ind. Co. Ltd.		•
		BR	JP-02-057237	02-27-1990	Hitachi Medical Corp.		•
	•	BS	JP-2002-032218	01-31-2002	Rikogaku Shinkokai		•

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IN	<b>IFORMATION</b>	N DI	SCLOSURE	Filing Date	March 22, 2001	
S	TATEMENT	BY A	APPLICANT	First Named Inventor	Masakazu Suzuoki	
				Art Unit	2152	
	(Use as many sh	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	2	of	2	Attorney Docket Number	SCEI 3.0-054	

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NON PATENT LITERATURE DOCUMENTS							
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74	CA	MASAKAZU SUZUOKI, Playstation 2 Yur Maikuropurosessesa Emotion Engine (Microprocessor Emotion Engine for PlayStation 2), bit, Kyoritsu Shuppan Col, Ltd., 01-01-2000, pages 11-18, Vol. 32, No. 1.					
	СВ	"IBM System/370 Extended Architecture Instruction Manual," 1st Ed., Apr. 1984, IBM.	1				
	CC	William J. Dally, et al., "The Message-Driven Processor: A Multicomputer Processing Node with Efficient Mechanisms," IEEE Micro, April, 1992, pp. 23-39.					
	CD	Mamoru Maekawa, et al., "Distributed Operating System That Coming Next to UNIX," 1st Ed., Dec. 25, 1991, Kyoritsu Shuppan Co., Ltd.	1				
Ì	CE	Ted Painter, et al., "Perceptual Coding of Digital Audio," Proceedings of the IEEE, Vol. 88, No. 4, Apr. 2000, pp. 451-513.					
	CF	Baer, et al. "On the Inclusion Properties for Multi-Level Cache Hierarchies," Proceedings of the Annual International Symposium on Computer Architecture, Honolulu, Hawaii, May 30 - June 2, 1988, Washington, IEEE Computer Society Press, pp. 73-80.					

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>\*</sup>EC = Includes European Patent Counterpart.

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				U.S. PATENT DOCUMEN	TS	<u> </u>
Examin	er Cite	Cite U.S. Patent Docum		Name of Patentee or Applicant	Date of Publication of	Pages, Cotumns, Lings, Where Relevant
Initials*	No.1	Number	(if known)	of Cited Document	Cited Document MM-DD-YYYY	Hassages or Relevant
14	Α	5,848,435		Brant et al.	12/08/1998	
	В	4,903,234		Sakuraba et al.	02/20/1990	
	С	4,954,982		Tateishi et al.	09/04/1990	
	D	4,430,705		Cannavino et al.	02/07/1984	0
	E	4,037,214		Birney et al.	07/19/1977	3
	F	4,589,064		Chiba et al.	05/13/1986	00 E
				Cordero et al.	04/27/1971	9 <del>1</del> CE
	H	5,216,633		Weon et al.	06/01/1993	HA 2
	Ti Ti	5,991,858		Weinlander	11/23/1999	
	J	4,545,016		Berger	10/01/1985	· =
	K	6,035,381		Mita et al.	03/07/2000	ROOM
	L	6,076,149		Usami et al.	06/13/2000	)O
	М	5,513,337		Gillespie et al.	04/30/1996	.3.
	N	4,732,446		Gipson et al.	03/22/1988	ħ.
	O 4,939,682 F		Falk	07/03/1990	r	
			Jenevein	12/07/1993		
	Q	4,422,088		Gfeller	12/20/1983	
	R	5,159,700		Reid, deceased et al.	10/27/1992	
	s	5,144,691		August et al.	09/01/1992	
	/ T	4 332 009	1	Gerson	05/25/1982	

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.¹	Office <sup>3</sup>	Foreign Patent Doc	iment Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	ן		
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if cossible. <sup>8</sup> Applicant is to place a check mark here if English language Translation is attached.

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U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it contains a valid OMB control number.

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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
ML	J	"IBM Wins Playstation 3 Contract," BBC News, March 12, 2001.	

Examiner Signature	Jay Canina	Date Considered	07/20/04	/EI	8
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached

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11	NFORMATIO	ON DIS	CLOSURE	Filing Date	March 22, 2001	
STATEMENT BY APPLICANT				First Named Inventor	Masakazu SuzuokRECEIVED	
				Art Unit	2152 SEP 0 6 2002	
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	

П	***		FOREI	GN PATENT	DOCUMENTS		
Exam Initial		Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	<b>⊤</b> °
<u> </u>	<u>,                                     </u>	ВА	JP 08-180018	07-12-1996	Toshiba Corp.	1 guico reposs	++
		ВВ	JP 08-249261	09-27-1996			**
		ВС	JP 05-151183	06-18-1993	Hitachi, Ltd.		**
		BD	JP 05-054009	03-05-1993	NEC Engineering, Ltd.		**
		BE	JP 63-019058	01-26-1988	Fujitsu Limited		**
П		BF	JP 54-146555	11-15-1979	NEC Corporation		**
$\Box$		BG	JP 08-212178	08-20-1996	Hitachi, Ltd.		**
		BH	GB 2326254 A	12-16-1998	Mitsubishi Electric Corporation		
		ВІ	JP 05-242057	09-21-1993	Sanyo Electric Co., Ltd.		**
		BJ	JP 56-123051	09-26-1981	Omron Tateishi Electronics Corporation	· · · · · · · · · · · · · · · · · · ·	**
		BK	JP 61-180352	08-13-1986	Fujitsu Limited		**
		BL	EP 077404 A1	04-27-1983	Fanuc Ltd.		
		ВМ	JP 10-334055	12-18-1998	Sony Corporation	···	**
		BN	EP 0871142 A2	10-14-1998	Sony Computer Entertainment Inc.		
		во	JP 08-161283	06-21-1996	Sony Corporation		**
		BP	JP 07-287064	10-31-1995	Mitsubishi Electric Corporation		**

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
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JM	CA	MASAKAZU SUZUOKI, Development of a Microprocessor with a 128b CPU, 2 Vector Processors with 10 Floating Point Units, IPSJ Journal, 04-15-2000, pages 843-850, Vol. 41, No. 4.	Х				

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	U.S. PATENT DOCUMENTS						
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N/	AA	6,334,139-B1		Takashi Sakakura			
M	AB	6,219,073-B1		Masakazu Suzuoki			

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where Relevant	Τ			
	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known)		Applicant of Cited Document	Passages or Relevant Figures Appear	T⁵			
JN	BA	JP-10-334055		Tamura Yukihiro		X.			
M	BB	EP 0 730 237		Noriyuki, et al.	_				
N.	BC	JP-02-012361		Arai Susumu		ĬX⁺			
JM	BD	JP-64-023342		Kawahara Naohisa	70	X*			
JN.	BE	JP-56-111962		Kenichi, et al.	-40, -4	X.			
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